

## CLAIMS

I claim:

1. A composite hockey stick having an elongated shaft body having opposed first and second ends, :
  - 5       said shaft body having a constraining inner layer comprising a thin-wall composite fibers construction disposed in a matrix material
  - said constraining layer being overlaid with a coating of viscoelastic material.
2. The composite hockey stick shaft of claim 1 wherein said viscoelastic
 10       layer is disposed along the whole length of said body.
3. The composite hockey stick shaft of claim 1 wherein said viscoelastic layer is selected from a group comprising thermoplastic rubber midified adhesive, polyester, urethane, polyurethane, mylar, tedlar silicone and epoxy films.
- 15   4. The composite hockey stick shaft of claim 5 wherein said viscoelastic layer has a thickness in the range of about 5 to 25 thousands of an inch.
5. The composite hockey stick shaft of claim 5 wherein said viscoelastic
 20       layer has a thickness in the range of about 10 to 22.5 thousands of an inch.
6. The composite hockey stick shaft of claim 5 wherein said viscoelastic layer has a thickness of about 20 thousands of an inch.
7. A composite hockey stick shaft having an elongated body having four side wall members, at least one said side wall members comprising
 25       an inner layer of fibers disposed within a matrix material,
   
      a layer of viscoelastic material anchored onto to the outside surface of said inner layer,

an outer layer of fibers disposed within a matrix material, said outer layer being disposed on and abutting the outside of said layer of viscoelastic material.

- 5       8. The composite hockey stick shaft of claim 7 wherein said inner layer and said outer layer have substantially the same thickness.
9. The composite hockey stick shaft of claim 7 wherein said viscoelastic layer is disposed along the whole length of said body.
- 10       10. The composite hockey stick shaft of claim 7 wherein said viscoelastic layer is selected from a group comprising thermoplastic rubber modified adhesive, polyester, urethane, polyurethane, mylar, tedlar silicone and epoxy films.
11. The composite hockey stick shaft of claim 10 wherein said viscoelastic layer has a thickness in the range of about 5 to 25 thousands of an inch.
- 15       12. The composite hockey stick shaft of claim 10 wherein said viscoelastic layer has a thickness in the range of about 10 to 22.5 thousands of an inch.
13. The composite hockey stick shaft of claim 10 wherein said viscoelastic layer has a thickness of about 20 thousands of an inch.